

Fig. 1

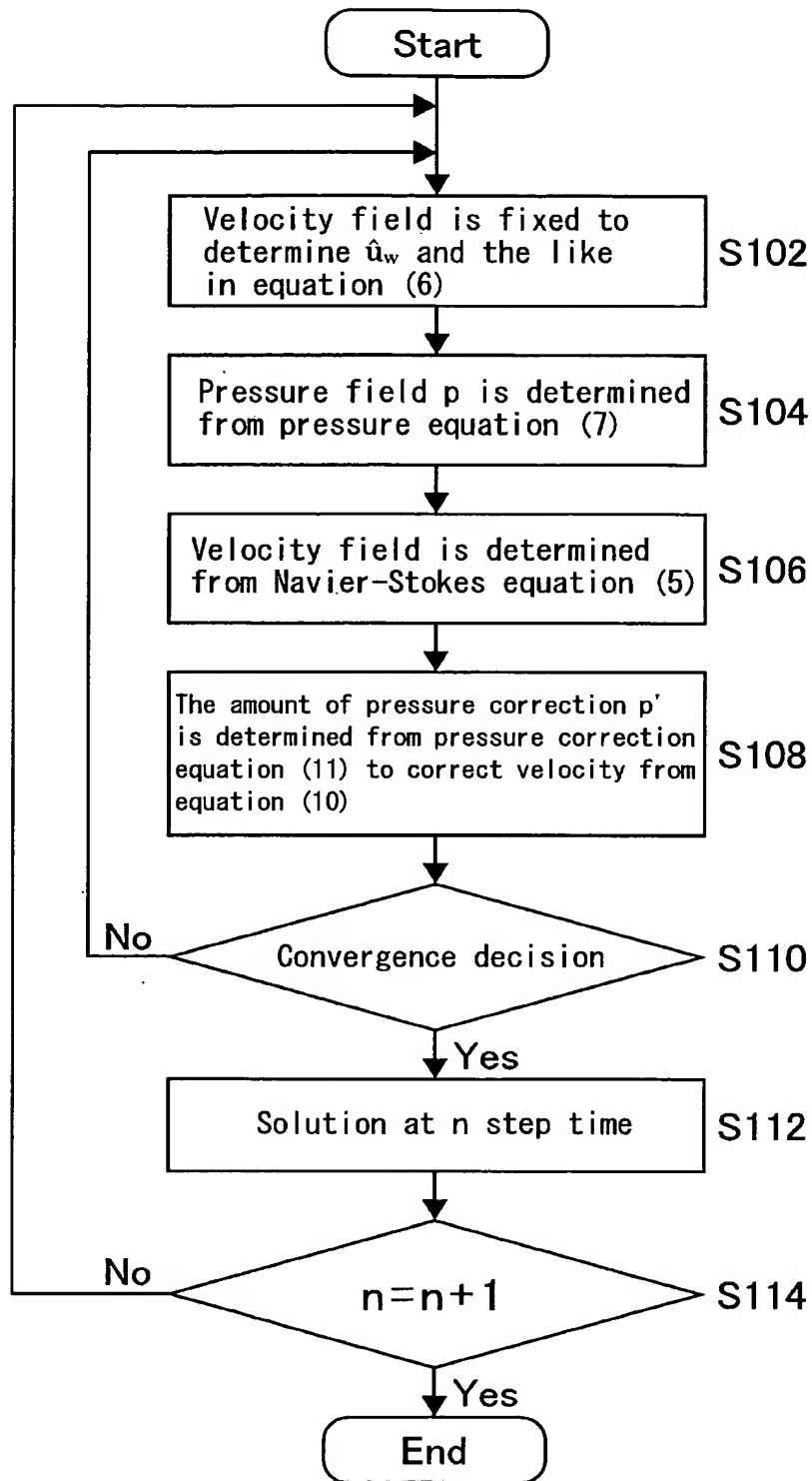


Fig. 2

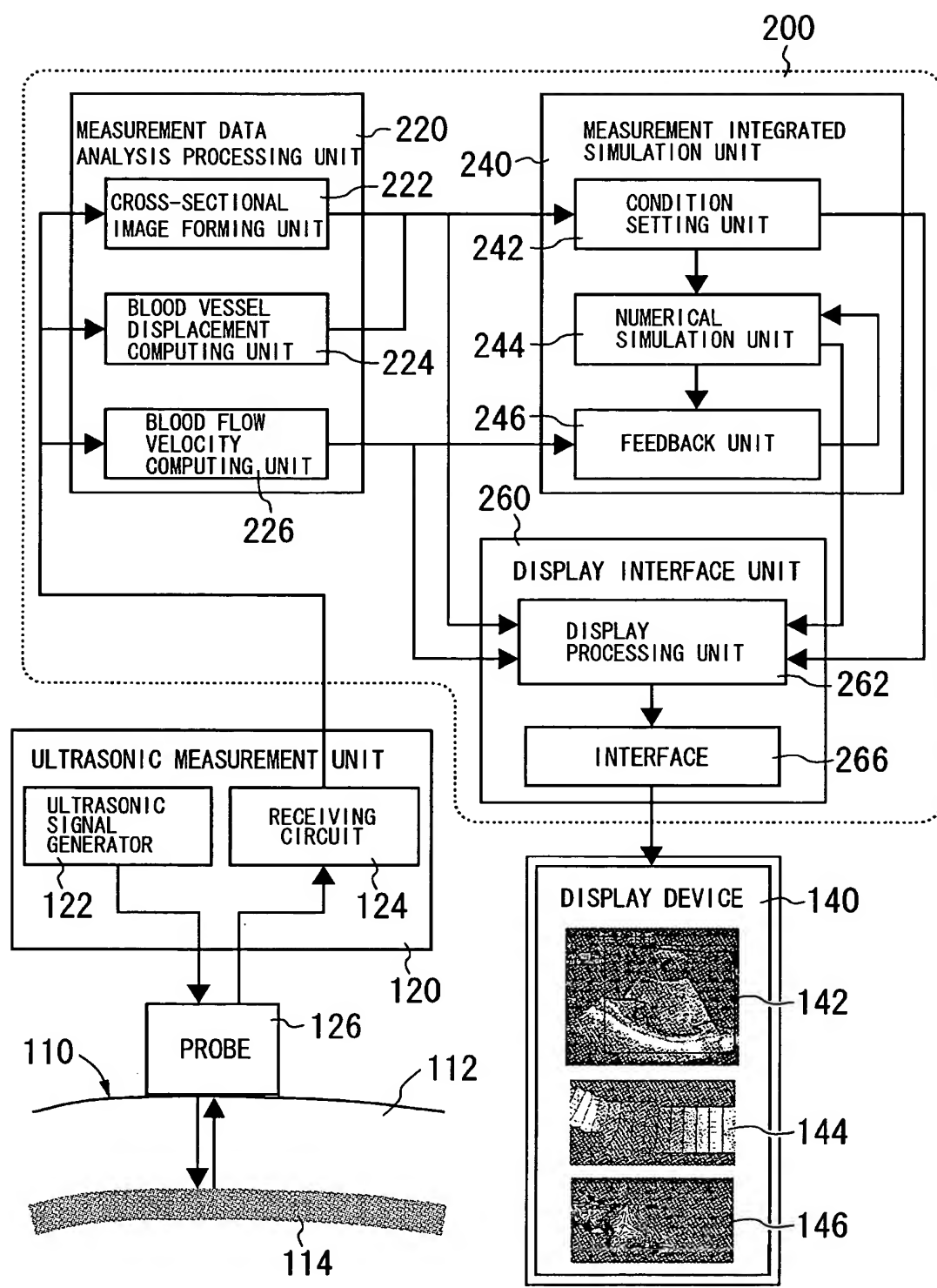
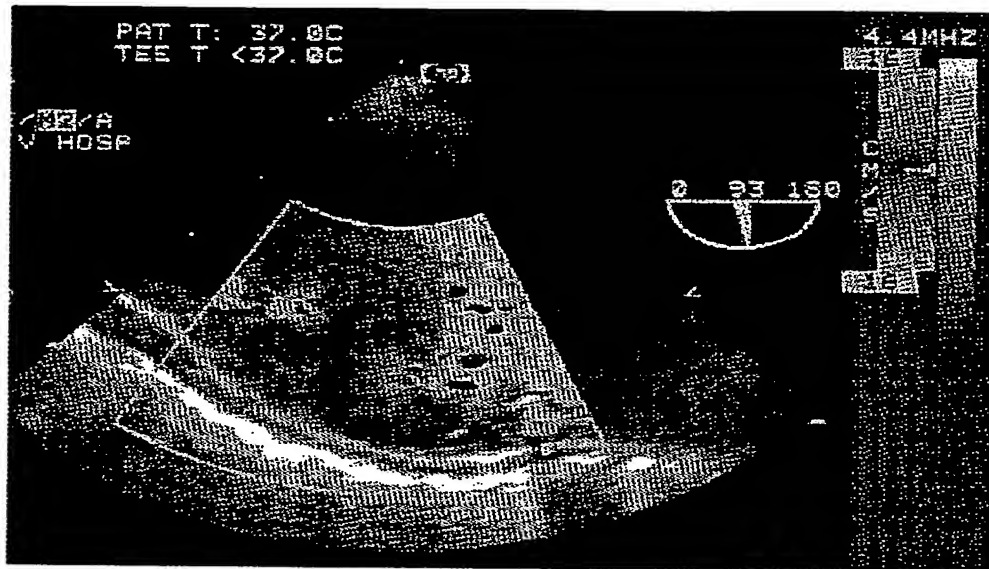


Fig. 3

Display example of color Doppler image



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Fig. 4

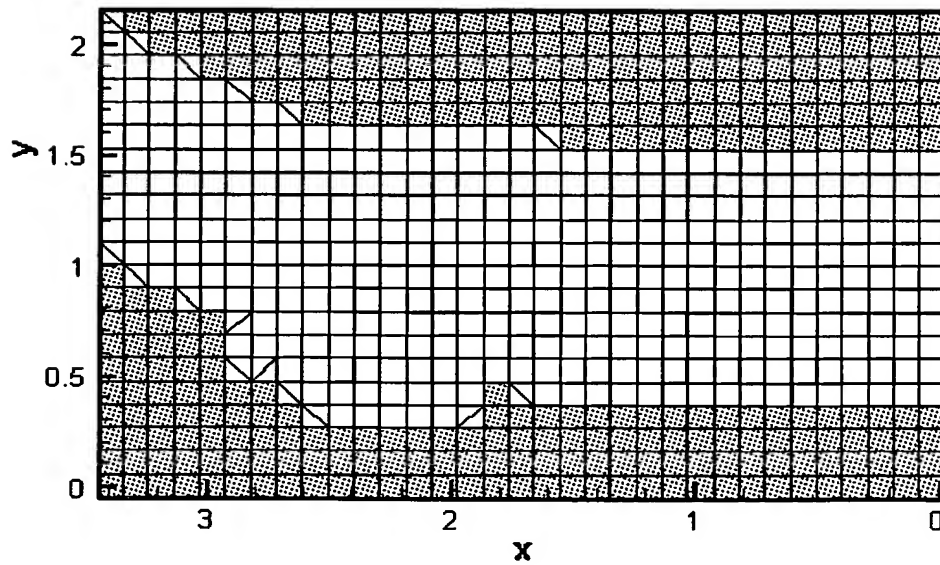
Computational lattices  
for measurement integrated simulation (32 by 20)

Fig. 5

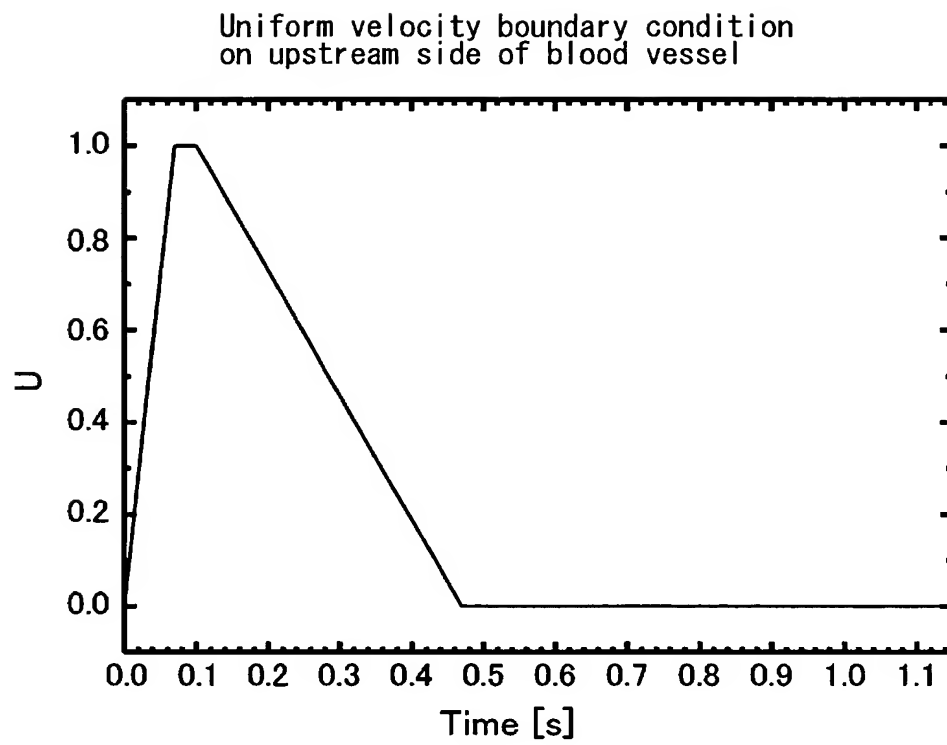


Fig. 6

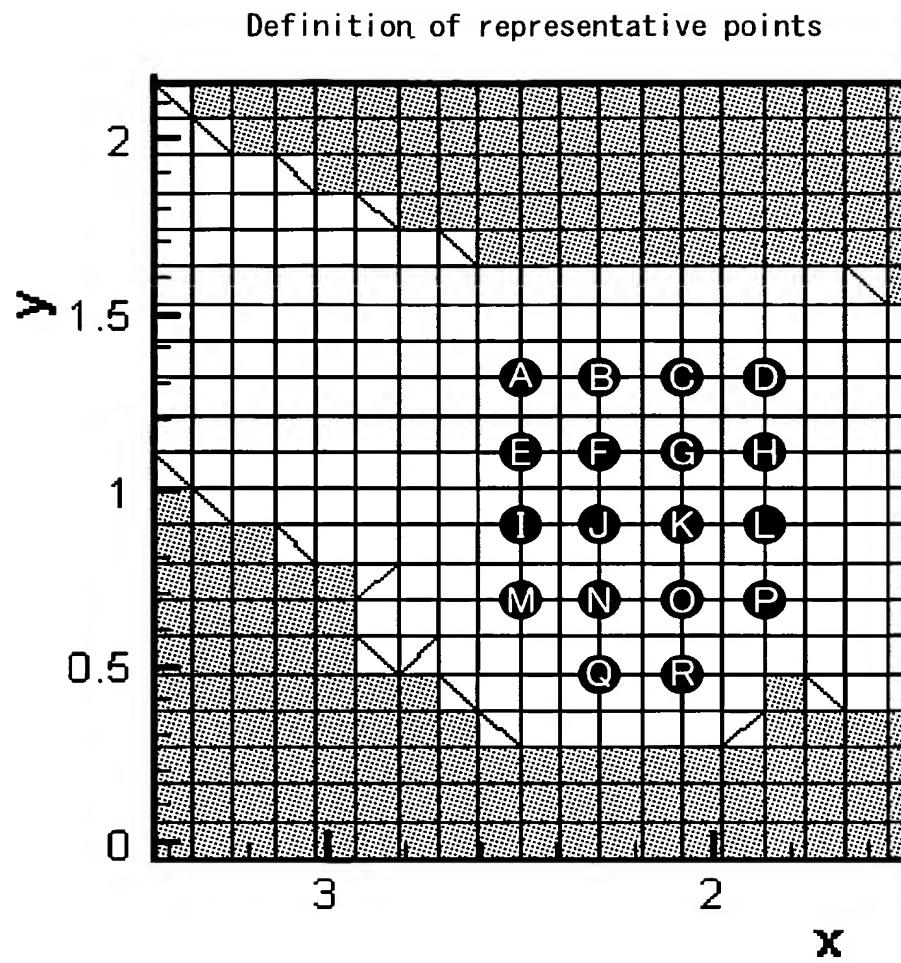
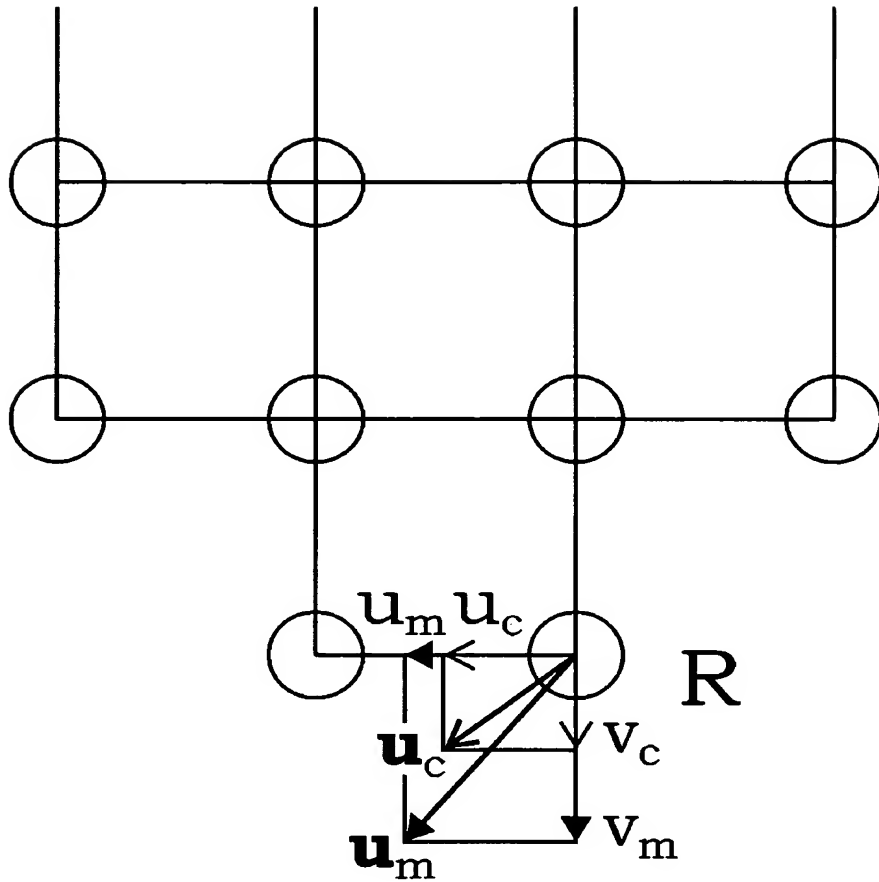


Fig. 7

Explanatory view of feedback



$$\mathbf{f} = -K \left( \frac{\mathbf{u}_c \circ \mathbf{u}_m}{|\mathbf{u}_m|^2} - 1 \right) \mathbf{u}_m$$

Fig. 8

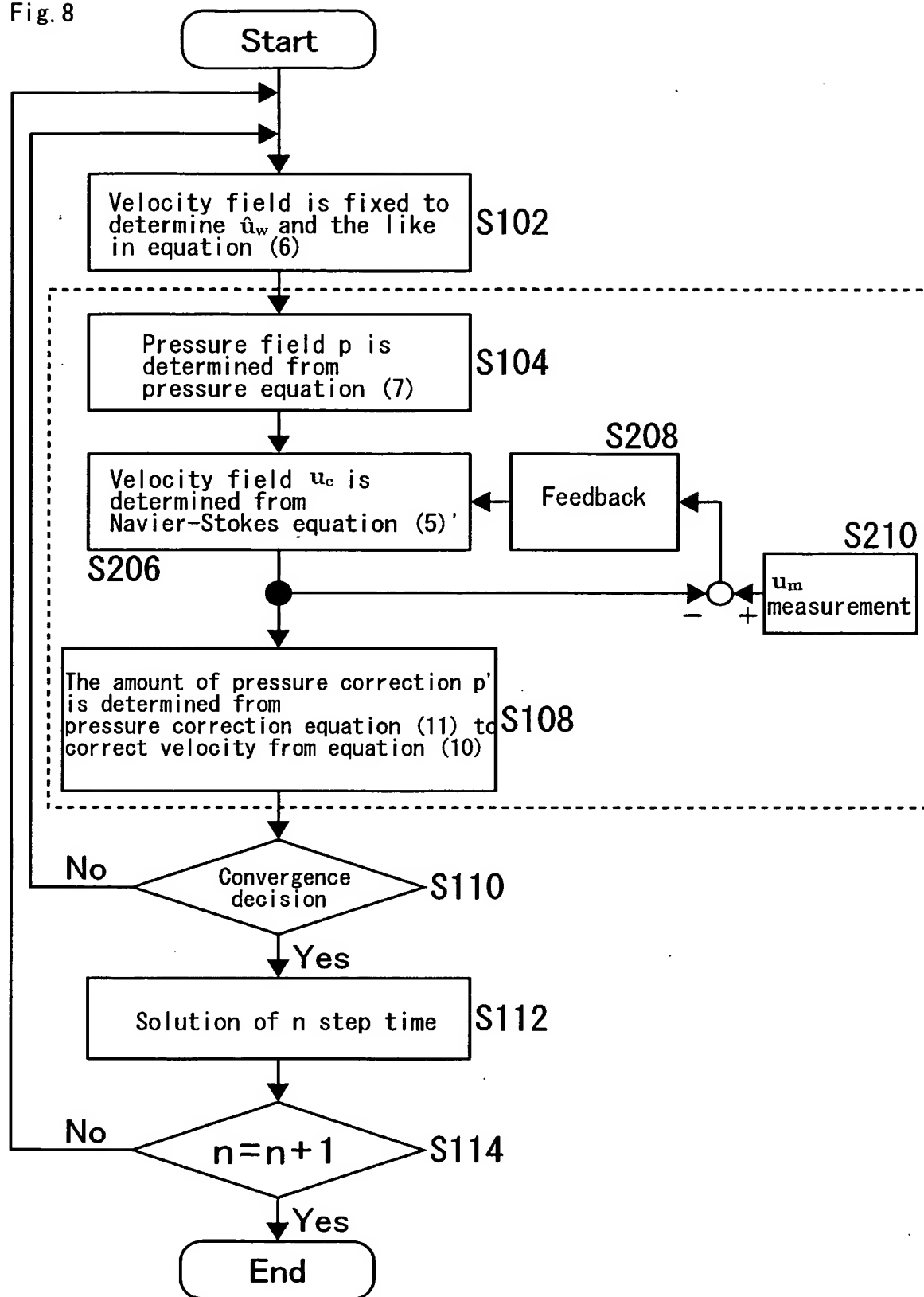


Fig. 9A

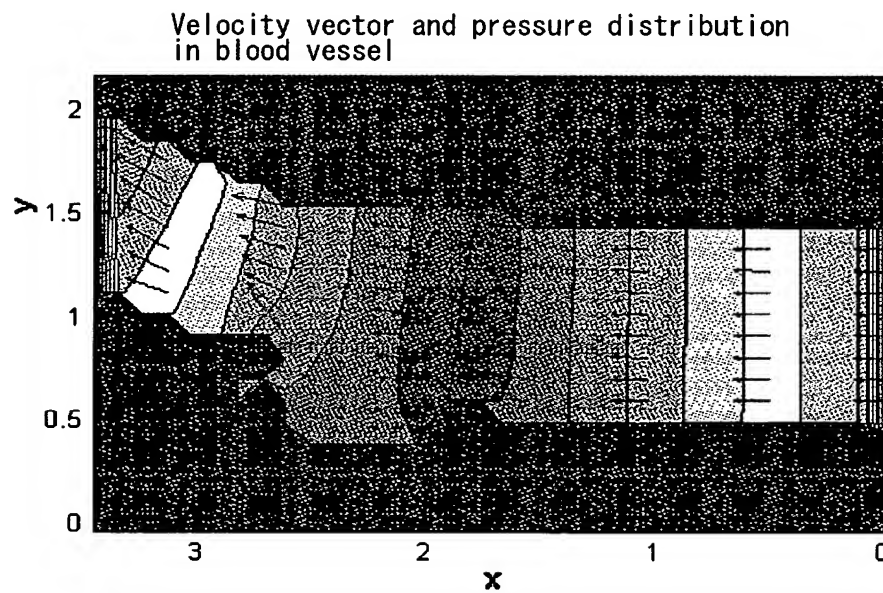
Result of measurement integrated simulation ( $t=0.2s$ )

Fig. 9B

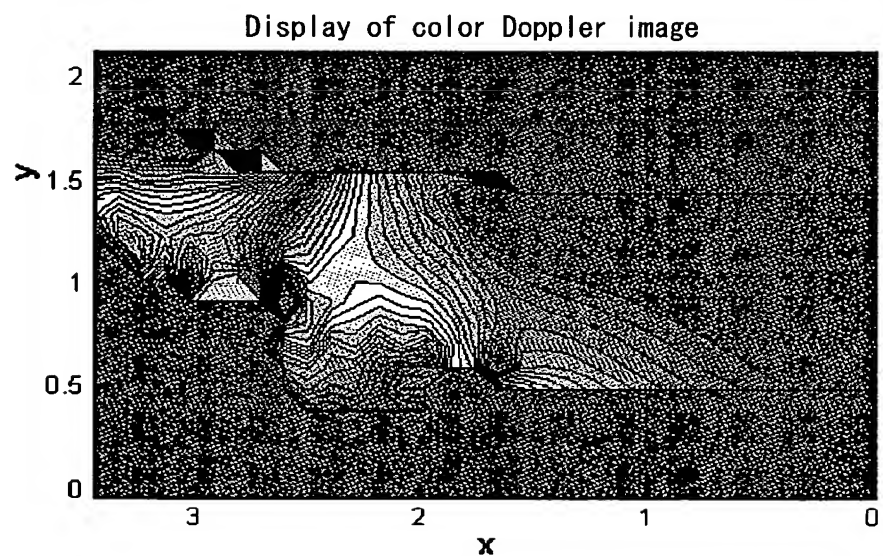
Result of measurement integrated simulation ( $t=0.2s$ )



Fig. 10A

Comparison of arithmetic accuracy between  
measurement integrated simulation and  
numerical simulation (comparison at representative point R)

Time change of u velocity component

Comparison of x-direction velocity component

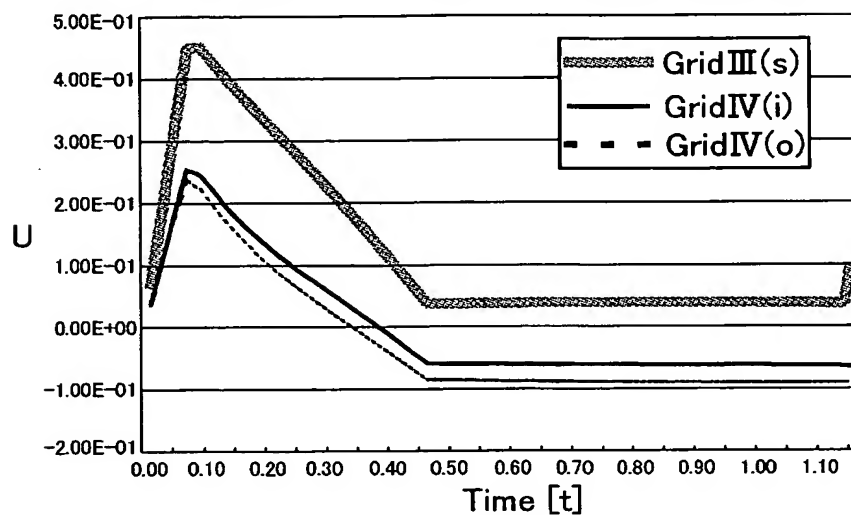


Fig. 10B

Comparison of arithmetic accuracy between  
measurement integrated simulation and  
numerical simulation (comparison at representative point R)

Time change of v velocity component

Comparison of y-direction velocity

